Index of Claims

| Applica | tion/Con | trol | No. |
|---------|----------|------|-----|
|---------|----------|------|-----|

09/766,477

Examiner

Applicant(s)/Patent under Reexamination

ENG ET AL.

Art Unit

James M. Mitchell

2813

Rejected Allowed

(Through numeral)
Cancelled

Non-Elected N Restricted

**Appeal** 

Interference

0 Objected

|                      |          |          |               |          |        |                                     |                 |                 |                    | ,        |              |        |          |                |          |          |          |          |              |                    | _                  | ,           |     |       |            |                   |         |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                |            |     |   |   |   |          |   |
|----------------------|----------|----------|---------------|----------|--------|-------------------------------------|-----------------|-----------------|--------------------|----------|--------------|--------|----------|----------------|----------|----------|----------|----------|--------------|--------------------|--------------------|-------------|-----|-------|------------|-------------------|---------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|------------|-----|---|---|---|----------|---|
| Cla                  | aim_     | Ļ        | Date          |          |        |                                     |                 |                 |                    |          |              | Cla    | im       | Щ.             | Date     |          |          |          |              |                    |                    |             |     | Cla   | aim        | Date              |         |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                |            |     |   |   |   |          |   |
| Final                | Original | 950      |               |          |        |                                     |                 |                 |                    |          |              | Final  | Original |                |          |          |          |          |              |                    |                    |             |     | Final | Original   |                   |         |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                |            |     |   |   |   |          |   |
|                      | 1 -      | -        | $\overline{}$ |          |        |                                     |                 | П               |                    | $\neg$   | _            |        | 51       |                |          |          |          | $\neg$   | ヿ            | ヿ                  | T                  | 7           | İ   |       | 101        |                   | +       | ✝       | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Т        |                | $\neg$     | _   |   |   |   |          |   |
|                      | 2        |          |               |          |        |                                     |                 |                 |                    | $\Box$   |              |        | 52       |                |          |          |          |          |              |                    |                    |             | ı   |       | 102        |                   | 1       | 1       | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                |            |     |   |   |   |          |   |
|                      | 3        |          |               |          |        |                                     |                 |                 |                    |          |              |        | 53       |                |          |          |          |          |              |                    |                    |             | [   |       | 103        |                   |         | Т       | Τ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                |            |     |   |   |   |          |   |
|                      | 4        |          |               |          |        |                                     |                 |                 |                    | ╝        |              |        | 54       |                |          |          |          |          |              |                    |                    |             | [   |       | 104        |                   |         |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                |            |     |   |   |   |          |   |
|                      | 5        | 止        | Ш             |          |        | L                                   |                 | Ш               |                    | ╝        | L            |        | 55       |                |          |          |          |          |              |                    |                    |             |     |       | 105        |                   | $\perp$ | $\perp$ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                |            |     |   |   |   |          |   |
|                      | 6        | Щ        | Ш             |          |        | <u></u>                             | Ш               | Ш               | $\Box$             | _        | L            |        | 56       | Ш              |          |          |          |          |              |                    |                    |             |     |       | 106        |                   |         |         | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                |            |     |   |   |   |          |   |
|                      | 7        | ഥ        | Ш             |          |        | _                                   | Щ               | Ш               | $\dashv$           | _        | L            |        | 57       | Ш              |          |          |          | _        |              | 4                  |                    | _           | ļ   |       | 107        |                   | ↓       | $\perp$ | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                | _          |     |   |   |   |          |   |
|                      | 8        | 1        | Ш             | _        |        | <u> </u>                            | Щ               | Ш               | $\dashv$           | 4        |              |        | 58       | Ш              | Щ        | _        | _        |          | _            | _                  | _                  | _           |     |       | 108        | $\perp$           | _       | ┸       | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                |            |     |   |   |   |          |   |
|                      | 9        | Щ.       | Н             | -        |        | <u> </u>                            | H               |                 | $\dashv$           | 4        | -            |        | 59       | _              |          | _        | 4        | _        | _            | $\dashv$           | $\perp$            | 4           | ŀ   |       | 109        | -                 | _       | ╁       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          | Щ              | _          |     |   |   |   |          |   |
| <u> </u>             | 10       | 1        | Н             | $\dashv$ |        | <del> </del>                        | -               | -               |                    | -1       |              |        |          | <u> </u>       |          | <u> </u> | <u> </u> | 60<br>61 | Н            | $\dashv$           | -                  | -           |     | -     |            | -                 | 4       |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 110      | +              | +          | +   | ╀ | _ | Н | $\dashv$ | _ |
| <u> </u>             | 11       | ₩        | Н             | $\dashv$ |        | H                                   | H               | Н               | $\dashv$           | 4        | · -          |        |          | $\vdash$       | -        | -        | $\dashv$ | $\dashv$ | +            | $\dashv$           |                    | 4.          | 3   |       | 111        | +                 | +       | +       | ╀                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -        |                |            | _   |   |   |   |          |   |
| $\vdash$             | 12<br>13 | ⊬        | Н             |          |        | <del> </del>                        | $\vdash$        |                 | $\dashv$           | $\dashv$ | - }          |        | 62<br>63 | Н              | Н        | $\dashv$ | $\dashv$ | $\dashv$ | +            |                    | +                  | :           | ŀ   |       | 112<br>113 | +                 | +       | +       | ┼                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\vdash$ | $\vdash\vdash$ | $\dashv$   |     |   |   |   |          |   |
| $\vdash$             | 14       | ╟        | Н             | $\dashv$ | _      | $\vdash$                            | Н               | Н               | $\dashv$           | $\dashv$ | -            |        | 64       | ╁╼├╌           | $\vdash$ |          | ╂─┼      | +        | +            | $\dashv$           | +                  | 4           | 1   |       | 113        | +                 | +       | +       | ╀                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\vdash$ | $\vdash$       |            |     |   |   |   |          |   |
|                      | 15       | ₩        | Н             | $\dashv$ | _      |                                     | Н               | $\vdash$        | $\dashv$           | $\dashv$ | ╌            |        | 65       | Н              |          | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$           | -                  | $\dashv$    | ŀ   |       | 115        | $\dashv$          | +       | +       | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\vdash$ | -              |            | _   |   |   |   |          |   |
|                      | 16       | ╫        | Н             | $\dashv$ | _      | ┢                                   | $\vdash$        |                 | $\dashv$           | Ⅎ        | ┟            |        | 66       | Н              | $\dashv$ |          | ┥        | $\dashv$ | ┰            | ┪                  | -+                 | -           | ٠   |       | 116        | $\dashv$          | +       | +       | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -        | $\dashv$       | $\dashv$   | _   |   |   |   |          |   |
|                      | 17       | ╫        | Н             | $\dashv$ |        |                                     | H               |                 | 十                  | ┪        | ŀ            |        | 67       |                | $\neg$   | $\dashv$ | -        | ᅥ        | $\dashv$     | ┪                  | $\dashv$           | Ⅎ           | ŀ   |       | 117        |                   | +       | +       | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          | $\dashv$       | -          | -   |   |   |   |          |   |
|                      | 18       | Н        | Н             | $\dashv$ |        |                                     | Н               |                 | $\dashv$           | 7        | :            |        | 68       | Н              |          |          | 7        | $\dashv$ | 十            | $\dashv$           | $\dashv$           | ١,٠         | ŀ   |       | 118        | $\dashv$          | +       | +       | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\vdash$ | $\vdash$       | $\dashv$   | _   |   |   |   |          |   |
|                      | 19       |          |               | _        |        | _                                   | Н               |                 | $\dashv$           | 7        |              |        | 69       |                |          |          | ┪        | $\dashv$ | -+           | _                  | -+                 | ┨.          | ŀ   |       | 119        | $\dashv$          | +       | ╅       | ╁╴                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1        | $\vdash$       | ┪          | _   |   |   |   |          |   |
|                      | 20-      | μ_       | F             | T        |        |                                     | П               | $\Box$          | 寸                  | ┪        |              |        | 70       |                |          |          | ┪        | $\neg$   | $\dashv$     | ┪                  | _                  | ٦.          | ŀ   |       | 120        |                   | +       | $\top$  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Т        |                |            |     |   |   |   |          |   |
|                      | 21       | <b>V</b> |               | T        |        |                                     |                 |                 | 寸                  | ┪        |              |        | 71       |                |          |          | ┪        | ヿ        | $\exists$    | ヿ                  | $\top$             | 7           | ı   |       | 121        | $\neg$            | $\top$  | T       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                | $\dashv$   | _   |   |   |   |          |   |
|                      | 22       | П        | П             | 一        |        | Г                                   |                 |                 |                    | 1        | .            |        | 72       | П              |          |          | T        | ╗        |              | $\dashv$           |                    | 7           | ı   |       | 122        | $\neg$            | $\top$  | Τ       | Т                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\vdash$ |                | $\neg$     | _   |   |   |   |          |   |
|                      | 23       |          |               |          |        |                                     |                 |                 |                    | ╗        | - [          |        | 73       |                |          |          |          |          |              |                    |                    | 7           | ſ   |       | 123        |                   | 1       | 1       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                | $\neg$     |     |   |   |   |          |   |
|                      | 24       |          |               |          |        |                                     |                 |                 |                    |          | . [          |        | 74       |                |          |          |          |          |              |                    |                    |             |     |       | 124        |                   |         |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                |            |     |   |   |   |          |   |
|                      |          | 9        |               |          |        |                                     |                 |                 |                    |          |              |        | 75       |                |          |          | $\Box$   | $\Box$   |              |                    |                    | ่ ] .       |     |       | 125        |                   | $\perp$ | $\perp$ | $\Box$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |                |            |     |   |   |   |          |   |
|                      | 26~      | =        | 닏             |          |        |                                     | Ш               |                 | _                  | _        |              |        | 76       |                |          | $\perp$  | _        |          | $\perp$      | $\Box$             |                    | ٦.          | -2. |       | 126        |                   |         |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                | $\Box$     |     |   |   |   |          |   |
|                      | 27       | V        |               |          |        |                                     | Ш               |                 | _                  | _        | 2            |        | 77       | L              |          | _        | _        |          | _            | _                  | _                  | _ :         | ៉ំ  |       | 127        |                   |         | _       | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}$ |          |                | _          |     |   |   |   |          |   |
|                      | 28       | Ц        | Щ             | _        |        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Н               | $\sqcup$        | 4                  | 4        | 7. <b>5.</b> |        | 78       | Щ              |          | _        | 4        | _        | 4            | _                  |                    | _  [        |     |       | 128        | _                 | 4       | $\perp$ | ╄                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          | Ц              | _          |     |   |   |   |          |   |
| <u> </u>             | 29       | Y        | $\dashv$      | 4        |        | Щ                                   | $\vdash$        | _               | 4                  | 4        |              |        | 79       | Щ              | $\dashv$ | $\dashv$ | $\dashv$ | _        | 4            | 4                  |                    | 4           | 1   |       | 129        | _                 | _       | $\bot$  | ╄-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ш        |                | _          |     |   |   |   |          |   |
| $\vdash$             | 30       | 4        | Н             | -        |        | <u> </u>                            | Н               | $\dashv$        | 4                  | 4        | -            |        | 80       | Н              |          |          | 4        |          |              |                    | +                  | 4           | ŀ   |       | 130        | -                 | +       | +-      | ╄                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1        |                |            |     |   |   |   |          |   |
| $\vdash$             | 31<br>32 | $\vdash$ | $\dashv$      | $\dashv$ |        | $\vdash$                            | $\vdash$        | $\dashv$        | $\dashv$           |          |              |        | 81       | Н              | -        | $\dashv$ | $\dashv$ | $\dashv$ | +            | $\dashv$           |                    | 4           | 1   |       | 131        |                   | +       | +       | ╀                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Н        | $\dashv$       | -          |     |   |   |   |          |   |
| $\vdash$             | 33       | Η-       | $\vdash$      | $\dashv$ |        | $\vdash$                            | Н               | $\vdash$        | $\dashv$           | $\dashv$ | -            |        | 82       |                |          |          |          |          | -+           | -+                 | +                  | 4           | ŀ   |       | 132        | -                 | +       | +       | ₩                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Н        | $\dashv$       |            |     |   |   |   |          |   |
| -                    | 34       | +        | ├─┤           | $\dashv$ | _      | $\vdash$                            | $\vdash \vdash$ | $\vdash \vdash$ | $\dashv$           | $\dashv$ | 1            |        | 83<br>84 | $\vdash\vdash$ |          | $\dashv$ | $\dashv$ | -        | -            | $\dashv$           | +                  |             | ŀ   |       | 133<br>134 | -                 | +       | +       | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\vdash$ | $\vdash$       |            |     |   |   |   |          |   |
| $\vdash$             | 35       | +        | $\vdash$      | -+       |        | -                                   | $\vdash$        | $\vdash$        | $\dashv$           | $\dashv$ |              |        | 85       | Н              | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        | +            | +                  | +                  | <b>⊣</b> `` | ů., |       | 135        | +                 | +       | +       | ╁╌                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Н        | $\dashv$       | $\dashv$   |     |   |   |   |          |   |
| $\vdash$             |          | ₹        | $\vdash$      | $\dashv$ | -      | -                                   | $\vdash$        | -               | +                  | $\dashv$ | ŀ            |        | 86       | Н              | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$           | +                  | - 15        | 11  |       | 136        | $\dashv$          | +-      | +-      | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Н        | $\dashv$       | $\dashv$   |     |   |   |   |          |   |
| $\vdash$             |          | 7        | $\vdash$      |          | _      | $\vdash$                            | $\vdash$        | $\dashv$        | $\dashv$           | $\dashv$ | ŀ            |        | 87       | Н              | $\dashv$ | $\dashv$ | 1        | $\dashv$ | $\dashv$     | $\dashv$           | +                  | 1           | ŀ   |       | 137        | $\dashv$          | +       | +       | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\vdash$ | $\dashv$       | $\dashv$   | _   |   |   |   |          |   |
|                      |          | Ň        | H             | _        |        | $\vdash$                            | $\vdash$        | $\dashv$        | $\dashv$           | ┪        | -            | $\neg$ | 88       | Н              | $\dashv$ | $\dashv$ | ᅥ        | $\dashv$ | $\dashv$     | +                  | $\top$             | 4.          | ी   |       | 138        | $\neg \vdash$     | $\top$  | +       | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Н        |                | $\dashv$   | _   |   |   |   |          |   |
|                      | 39       | Ť        | $\neg$        | _        |        | П                                   | П               | $\Box$          | $\dashv$           | ╗        | r            |        | 89       | М              | $\dashv$ | $\dashv$ | $\dashv$ | 7        | $\dashv$     | 7                  | $\top$             | ٦.          | t   | -     | 139        | 十                 | 十       | T       | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Н        | $\vdash$       | _          | _   |   |   |   |          |   |
|                      | 40       |          | $\Box$        | $\neg$   | $\neg$ | П                                   | П               | Ħ               | $\dashv$           | ┪        | 卜            |        | 90       | П              | $\dashv$ | 7        | ┪        | 寸        | $\dashv$     | $\dashv$           | $\top$             | ٦ ٔ         | t   |       | 140        | 十                 | $\top$  | $\top$  | $\top$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | П        |                | 一          | _   |   |   |   |          |   |
|                      | 41       |          |               |          |        |                                     |                 |                 | _†                 |          | Γ            |        | 91       | П              | $\neg$   | 7        | ┪        | $\neg$   | 丁            | 寸                  | 7                  | 7-          | -   |       | 141        | T                 | T       | Т       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | П        | $\Box$         | $\neg$     | _   |   |   |   |          |   |
|                      | 42       |          |               |          |        |                                     |                 |                 |                    |          | Γ            |        | 92       |                |          |          |          |          |              |                    |                    | ]-          | ı   |       | 142        | $\equiv \uparrow$ |         |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | П        |                |            |     |   |   |   |          |   |
|                      | 43       |          |               | $\Box$   |        |                                     |                 |                 | $\Box$             |          | -[           |        | 93       |                |          |          |          |          |              | I                  | Ι                  | ]           |     |       | 143        | $\Box$            |         |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                |            |     |   |   |   |          |   |
|                      | 44       |          |               |          |        |                                     |                 |                 | $\bot$             |          |              |        | 94       |                |          | $\Box$   |          | ┚        |              | $\Box$             |                    |             | [   |       | 144        |                   |         |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                |            |     |   |   |   |          |   |
|                      | 45       |          |               | $\Box$   |        |                                     | $\Box$          | $\Box$          | $oldsymbol{\perp}$ | 100      | ::[          |        | 95       |                | $\Box$   | $\Box$   |          | J        | $\Box$       | $oldsymbol{\perp}$ | $oldsymbol{\perp}$ | ]           |     |       | 145        | $\Box$            |         |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | П        |                | $\Box$     |     |   |   |   |          |   |
|                      | 46       |          | Ц             | ļ        | _      | Ш                                   | $\sqcup$        | $\Box$          |                    | _        |              | ]      | 96       | Ш              | $\perp$  |          | $ \bot $ | _        |              | $\perp$            | $\perp$            | _           |     |       | 146        |                   |         | $\perp$ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                | $\Box$     |     |   |   |   |          |   |
|                      | 47       |          | $\Box$        |          | _      | L.                                  | $\sqcup$        |                 | -4                 | _        | L            |        | 97       |                | _        | _        | _        | _        | _            | 4                  | 4                  | _           | ļ   |       | 147        | $\perp$           | 4       | $\perp$ | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Ш        | Ц              | $_{\perp}$ |     |   |   |   |          |   |
| $\vdash \vdash \mid$ | 48       | Щ        | $\dashv$      | _        |        |                                     | Ш               | _               | 4                  | 4        | I            |        | 98       | Щ              | _        | -        | 4        | _        | $\downarrow$ | 4                  | $\perp$            | 4           | ļ   |       | 148        | _                 | $\bot$  | $\perp$ | ↓_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ц        | $\Box$         | _          |     |   |   |   |          |   |
| $\vdash \vdash$      | 49       | Ш        | $\dashv$      | 4        | 4      | Щ                                   | oxdot           | _               | 4                  | 4        | F            |        | 99       | Щ              |          | $\dashv$ | 4        | _        | +            | 4                  | $\perp$            | 4           | 1   |       | 149        | $\perp$           | $\bot$  | $\perp$ | 1_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\sqcup$ |                | _          |     |   |   |   |          |   |
| $\sqcup$             | 50       |          |               |          |        |                                     |                 | 1               | _                  |          |              |        | 100      |                |          |          | - 1      | - 1      | - 1          | - 1                | - 1                | - 1         | 1   | - 1   | 150        | - 1               | - 1     | 1       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1        |                |            | - 1 |   |   |   |          |   |